

What is claim d is:

1. A method of processing a video signal in a plasma display panel, comprising the steps of:

forecasting pseudo contour noise of an image to be displayed on the panel; and

applying an equalizing pulse having any one gray level of a first gray level higher than a gray level to be supplied and a second gray level lower than a gray level to be supplied in order to eliminate said forecasted pseudo contour noise.

2. The method as claimed in claim 1, wherein said step of forecasting the pseudo contour noise includes:

detecting a shift direction and a shift speed of a picture and a gray level value of data using data at the (n+1)th and nth fields (wherein n is an integer), thereby forecasting said pseudo contour noise with the aid of the detected shift direction and speed of the picture and the detected gray level value of data.

3. The method as claimed in claim 1, wherein said equalizing pulse having the first gray level and said equalizing pulse having the second gray level are supplied such that they are alternated for the pixel unit.

4. The method as claimed in claim 1, wherein said equalizing pulse having the first gray level and said equalizing pulse having the second gray level are supplied such that they are alternated for the horizontal line unit.

5. The method as claimed in claim 1, wherein said equalizing pulse having the first gray level and said

equalizing pulse having the second gray level are supplied such that they are alternated on the basis of a vertical synchronizing signal.

6. The method as claimed in claim 1, wherein said equalizing pulse having the first gray level and said equalizing pulse having the second gray level are supplied such that they are alternated on the basis of at least two signals of a pixel signal, a horizontal synchronizing signal and a vertical synchronizing signal.

7. The method as claimed in claim 1, further comprising the step of:

alternately applying said equalizing pulses having the first and second gray levels to express a gray level value close to a gray level value to be displayed on an average basis.

8. A video signal processing apparatus for a plasma display panel, comprising:

a reverse gamma corrector for making a reverse gamma correction of a gamma-corrected data inputted from the exterior;

field delay means for delaying the reverse gamma-corrected data by one field;

an equalizing pulse supplier for receiving a data at the $(n+1)$ th field (wherein n is an integer) from the reverse gamma corrector and a data at the n th field from the field delay means, thereby eliminating pseudo contour noise; and

a display data processor for receiving the n th field data and the equalizing pulse to convert them in such a manner to be suitable for a resolution format of the panel.

9. The video signal processing apparatus as claimed in claim 8, wherein said equalizing pulse supplier includes:

an operation detector for receiving the (n+1)th and nth field data to detect a shift direction and a shift speed of a picture and a gray level of the nth field data;

a pseudo contour amount forecaster for forecasting an amount of the pseudo contour noise to be generated from the panel using said shift direction and said shift speed of the picture and said gray level value of the nth field data; and

a compensator for receiving said amount of the pseudo contour noise to calculate an equalizing pulse to be compensated and supply a higher compensated equalizing pulse or a lower compensated equalizing pulse than the calculated equalizing pulse.

10. The video signal processing apparatus as claimed in claim 9, wherein said compensator includes:

an equalizing pulse calculator for receiving said amount of the pseudo contour noise to calculate said equalizing pulse to be compensated;

a low compensator for supplying an equalizing pulse having a gray level value one level lower than the calculated equalizing pulse from the equalizing pulse calculator;

a high compensator for supplying an equalizing pulse having a gray level value one level higher than the calculated equalizing pulse from the equalizing pulse calculator; and

a multiplexor for receiving the low-compensated equalizing pulse and the high-compensated equalizing pulse to output any one of said pulses in correspondence with a

control signal.

11. The video signal processing apparatus as claimed in claim 10, wherein at least one of a pixel signal, a horizontal synchronizing signal and a vertical synchronizing signal is used for said control signal.